Construction Monitoring Matrix

Techniques	Duration	Seasonal	Purpose
NEXRAD, Observations	Minimum 2 years*	Seasonally Appropriate	Regional perspective on behavior and populations,
Ship & Aerial	Minimum 2 years*		Modeling
Ship & Aerial Telemetry & Radar Radar Radar & other Technologies	Minimum 2 years*	4 season	Habitat use, Avian Risk Assessment, Modeling
Existing databases Field Collection (Species specific)	Minimum 2 years*	4 Seasons	Habitat characterization, Correlation with Bird Use Modeling
	NEXRAD, Observations Ship & Aerial Ship & Aerial Telemetry & Radar Radar Radar & other Technologies Existing databases Field Collection	NEXRAD, Observations Ship & Aerial Minimum 2 years* Ship & Aerial Telemetry & Radar Radar Radar & other Technologies Existing databases Field Collection Minimum 2 years* Minimum 2 years* Minimum 2 years*	NEXRAD, Observations Ship & Aerial Minimum 2 years* Ship & Aerial Minimum 2 years* Ship & Aerial Telemetry & Radar Radar Radar Radar & other Technologies Existing databases Field Collection Minimum 2 years* 4 season 4 Seasons

Need Separate Approaches to Pre-, During, Post-Construction Monitoring

Numerous method and techniques are needed

^{*}Use "Adaptive Monitoring" to adjust monitoring depending on data results

Monitoring "Add-ons" based on further discussion

- Include bats (regional and specific), acoustics
- · Site specific- beach survey observations, acoustic detection- migration, thermal imaging
- ID question to answer before developing monitoring programs
- Technique for physical data collection (include satellite imagery)
- Use observers on platforms of opportunity in conjunction with radar
- Look for opportunities to collect other data
- Conical beam radar, SODAR*

^{*}Which measures vertical turbulence and wind speed.